

# Joel Mellin

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## Skills

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### WEB DEVELOPMENT & PROGRAMMING

- Develop comprehensive eCommerce and eLearning sites with LAMP (Linux, Apache, MySQL, PHP)
- Design complex databases normalized utilizing Entity Relationship Diagrams (ERD)
- Develop Content Management Systems (CMS)
- Develop cross browser PHP, ASP, AJAX, and HTML
- Program Access and Word forms and automation with VBA
- Program Java with Integrated Development Environment (IDE)
- Optimize sites for Search Engines (SEO)

### NON PROFIT MANAGEMENT

- Founding member of arts not-for-profit
- Work with business plans, budgets, & IRS forms
- Work with board members, artists, and interns

### AUDIO & MEDIA

- Compose, design sound, and create interactive media using Java and the Java Music Specification Language (JMSL)
- Engineer, produce, and master albums

## Experience

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### GOTHAM WRITERS' WORKSHOP

555 8th Ave, Suite 1402, New York, NY 10018

The leading creative writing school online & in NYC, teaching more than 6K students per year

[www.writingclasses.com](http://www.writingclasses.com)

[www.writingclasses.com/sample](http://www.writingclasses.com/sample)

#### Senior Information Architect (May 2002-Present)

- Worked with Director of Online Services to architect, design, and develop all front-end websites and back-end database software including Online Classroom software, Teacher and Student Information Systems, and associated web portals
- Redesigned website to optimize usability and Search Engine Rankings based on best practices and focus group insight
- Worked with President and Dean of Faculty to develop relevant and unique tools for online instructors
- Worked with Staff to develop office automation tools to expedite administrative tasks
- Provided technical support to all students

### WAXFRUIT ARTS MEDIA

35 Claver Place Suite 13, Brooklyn, NY 11238

NY not-for-profit advancing public interest in the musical and contemporary arts

[www.waxfruit.org](http://www.waxfruit.org)

#### Co-Founder | President | Director of Technology (April 2006-Present)

- Major Program Areas: Community Programs, Public Music Library, Educational Resources
- Conceived, architected, and developed FlickTracks - an aide to the community in legally licensing music
- Created Content Management System and integrated streaming audio via Flash and AJAX for end user sampling
- Automated the real-time generation of legal contracts as PDFs based on end user license requests
- Developed an automated music consulting service using complex data mining techniques pulling from expert industry experience, National Endowment for the Arts (NEA) data, and client interviews
- Worked with lawyers, accountants, online merchant banks, board members, volunteers, and artists

### METROPOLITAN CENTER FOR URBAN EDUCATION

726 Broadway, 5th Floor, New York University, New York, NY 10003

Federally funded program to assists NYC public schools work with at-risk students

#### Project Associate for Safe and Drug Free Schools (9/1999-3/2002)

- Conceived, designed, and programmed a city-wide student information database application using Access and VBA
- Designed interactive online courses and taught training workshops to support project
- Provided quality assurance solutions to repair flawed spreadsheets designed by previous employees
- Participated in federal grant writing, research, data manipulation and analysis

### COOPERATIVE ASTROPHYSICS AND TECHNOLOGY SATELLITE (CATSAT)

Morse Hall, 39 College Road, University of New Hampshire, Durham, NH 03824

NASA funded Gamma Ray Observation Satellite

#### Systems/Electrical Engineer (9/1998-9/1999)

- Designed space tolerant analog and digital systems using radiation hardened parts
- Developed automated hardware testing software for satellite power system using C and GPIB
- Managed small staff of engineering students in all aspects of their work and conducted staff reviews
- Related skills: PCB design and layout, noise reduction analysis, laboratory testing, and data analysis

## Education

- Masters of Music, Music Technology  
New York University (2001)
- Bachelors of Science, Electrical and Computer Engineering  
University of New Hampshire (1997)

## Awards, etc.

- Guest Speaker: Java Music Systems: Real Time & Real World Performances, NYU (2007, 2006)
- Margaret Jones Award Winner for Java Music Systems, NYU (2001)

# Compositions / Performances

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## KEYS TO THE CRUMBLING CITY (2008)

Debut: May 31, 2008

*The Chocolate Factory, Long Island City, NY*

- Autonomous synthesized Balinese Gamelan orchestra playing melodies loosely based on Gamelan Kong Kebyar structures.
- Accompanied *My Meaty Showers* by Holly Faurot and Sarah Paulson
- 20 minute performance consisting of 5 performers, 2 video monitors, and video (live & pre-recorded)
- Developed using the Java Music Specification Language (JMSL) and Java

## INCANDESENTIENT (2007)

Debut: November 15, 2007 / 7-10 PM

*New York Center for Arts & Media Studies (NYCAMS), New York, NY*

- A real time audio environment & composition consisting of harmonically aware synthesized fire
- Accompanied *Are You Going to Sweat on my face, again?* by Holly Faurot and Sarah Paulson
- 3-hour performance consisting of 10 performers, 3 video monitors, neon, 4-channel video component (live & pre-recorded)
- Developed using the Java Music Specification Language (JMSL), Wire, and Java

## WATCH WHAT YOU SAY! / LEARNING TO SPEAK (2007)

Debut: August 25, 2007 (WWYS)

*Projects in Transit (P.I.T.), Brooklyn, NY*

- Genetic algorithms are used to investigate evolving words from random letter combinations.
- Populations are created, ranked, displayed, and spoken aloud by a voice synthesizer.

## PERHAPS I'LL SEE YOU AGAIN (SOMEDAY) / DEMO (2006)

Debut: November 30, 2006 / 7-9 PM

*Ronald Feldman Fine Arts, New York, NY*

- A real time audio sample windowing and progression program to deconstruct multiple audio tracks and reconstruct them into longer pieces in rhythm at variable and user controlled tempos.
- Accompanied *I want to see you limp with pleasure* by Holly Faurot and Sarah Paulson
- 2-hour performance with 12 performers, 5 video monitors, 5-channel video component (live & pre-recorded)
- Developed using the JMSL and Java

## AQUARIUM (2006)

Debut: July 8, 2006 / 12 PM -12 AM

*Projects in Transit (P.I.T.), Brooklyn, NY*

- An audio environment & composition consisting of an underwater instrument and live audio processing
- Accompanied *Aquarium* by Holly Faurot and Sarah Paulson – a 12 hour performance extravaganza
- Instrument consisted of a Fish tank, hydrophone, metal pipes, balloons, tubes, and computer processing via Wire

## YOU HAVE ACCESS / MY COLD LIMBS (2006)

Debut: March 15, 2006 / 8-10 PM

*New York Center for Arts & Media Studies (NYCAMS), New York, NY*

- First incarnation of the real time audio sample windowing and progression program to deconstruct multiple audio tracks and reconstruct them into longer pieces in rhythm at variable and user controlled tempos.
- Accompanied *You have access to my cold limbs* by Holly Faurot and Sarah Paulson
- 2-hour performance / installation with 12 performers, 6 video monitors, 2-channel video component (live & pre-recorded)
- Developed using the JMSL and Java

## (S)WARM (2005)

Debut: July 30, 2005 / 9-11 PM

*Projects in Transit (P.I.T.), Brooklyn, NY*

- A swarm of insects follow and play a score
- Accompanied *Spring Fever* by Holly Faurot and Sarah Paulson
- 2-hour performance / installation with 5 performers, 4 video monitors, 2-channel video component (live & pre-recorded), 800 lbs of dirt
- Developed using the JMSL and Java

## SUNSET BEACH (2004)

Debut: September 25, 2004 / 9 PM -10:30 PM

*Projects in Transit (P.I.T.), Brooklyn, NY*

- An autonomous surf-rock band creates and performs pseudo-random instrumental music
- Accompanied *Sunset Beach* by Holly Faurot and Sarah Paulson
- Developed using the JMSL and Java

## SOMNIALIS (2001)

Debut: May 10, 2003 9-11 PM

Space 317, Brooklyn, NY

- Composition based on slowly evolving melodies and syncopation
- Accompanied *In/On Strap[ing]* by Holly Faurot and Sarah Paulson
- Developed using JSML, MIDI, and Java

## BIG BANG THEORY #1 (2001)

Debut: May, 2001

New York University, New York, NY

- Demonstration piece for a sonar controlled MIDI instrument, the Sonaphone
- Composed while at NYU for a classes in *Advanced Computer Music Composition* and *Java Music Systems*
- Developed using the MIT Handyboard, a Polaroid Sonar transducer, and interactive C

## Discography

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### JOEL MELLIN: TBD (2008)

*Musique Impossible (USA)*

- Retrospective of avant-garde computer music composition

### HOTEL HARRISON: AN ELEGY FOR GEORGE HARRISON (2006)

*Stereorrific Recordings (USA)*

- Original release of *Somnialis*

### EASY TO BE FREE: THE SONGS OF RICK NELSON (2006)

*Planting Seeds Records (USA)*

- Musician, Producer, Engineer, and Mastering for Jeff Mellin's version of *Garden Party*

### MISS MARY: READY 2 POP (2005)

*Stereorrific Recordings (USA) / WIAIWYA (UK)*

- Writer, Musician, Producer, Engineer, and Mastering

### I'M WITH CUPID: A WAXFRUIT TRANSATLANTIC VALENTINE (2004)

*Stereorrific Recordings (USA) / WIAIWYA (UK)*

- Producer of Compilation, Contributed 2 tracks

### 50,000,000 ELVES FANS CAN'T BE WRONG: A TRANSATLANTIC POP CHRISTMAS (2002)

*Stereorrific Recordings (USA) / WIAIWYA (UK)*

- Producer of Compilation, Contributed 1 track

### JEFF MELLIN: GOOD FOR A GANDER (2001)

*Stereorrific Recordings (USA)*

- Musician, Producer, and Engineer

### MISS MARY: HEY BLUE (2000)

*Stereorrific Recordings (USA) / WIAIWYA (UK)*

- Musician, Producer, and Engineer

### THE OSCILLATORS: INCOG-NEAT-O! (2000)

*Stereorrific Recordings (USA)*

- Writer, Musician, Producer, and Engineer

### JEFF MELLIN: SAVES THE WORLD (1999)

*Stereorrific Recordings (USA)*

- Musician, Partial Producer and Engineer

### THE OSCILLATORS: LET'S ROCK INSTEAD (1998)

1998 / *Stereorrific Recordings (USA)*

- Writer, Musician, Producer, and Engineer